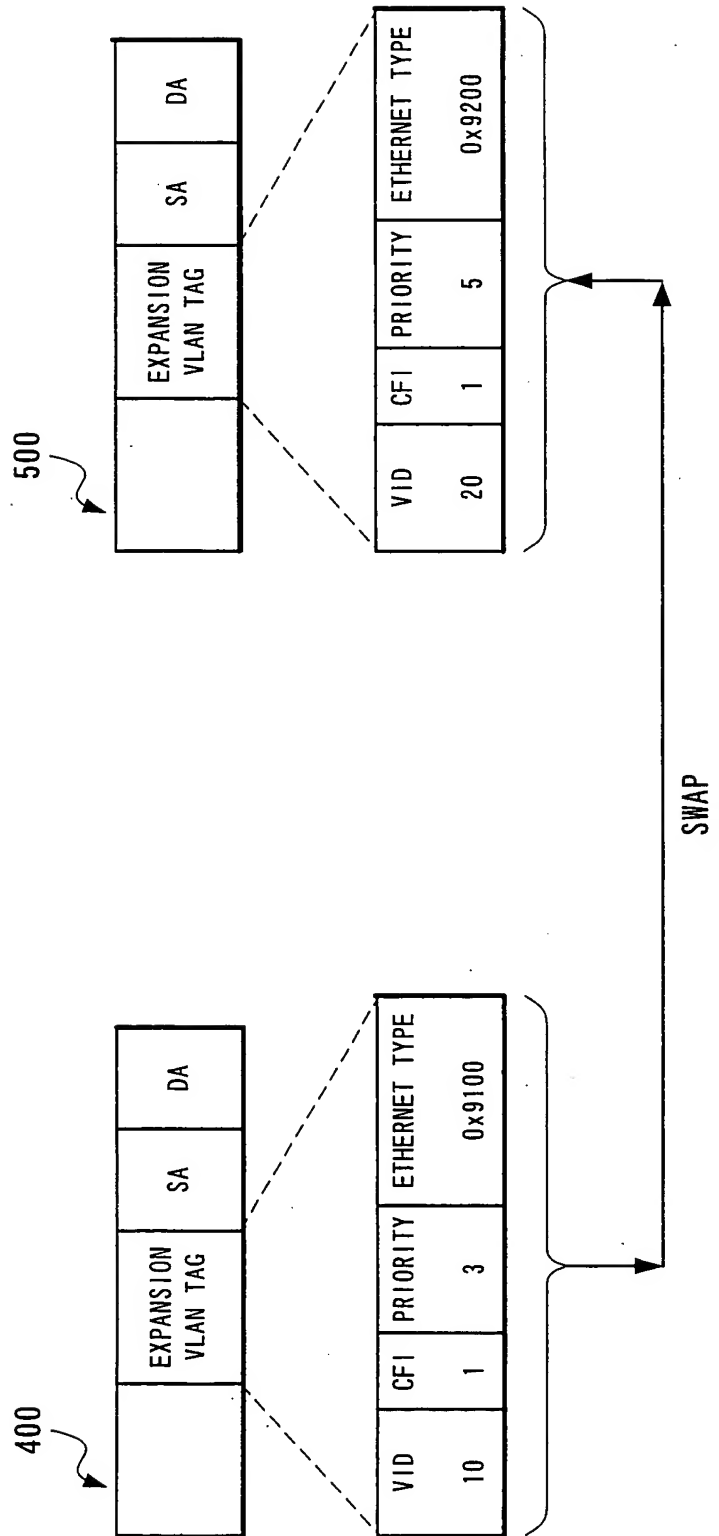
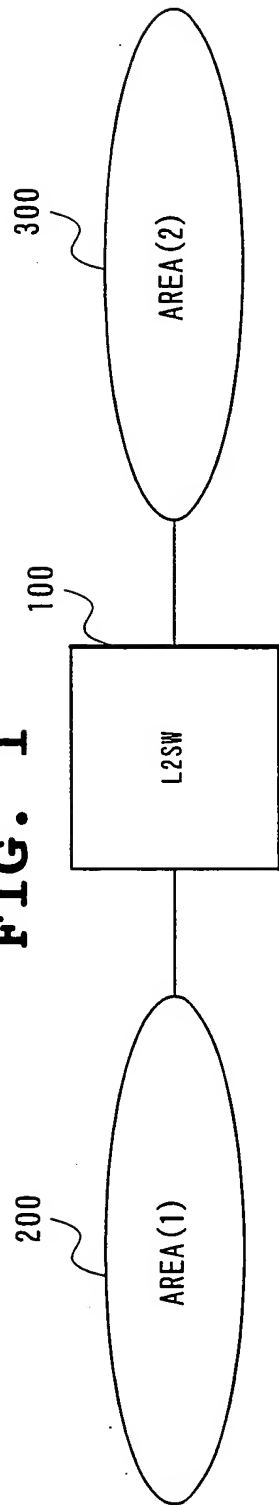
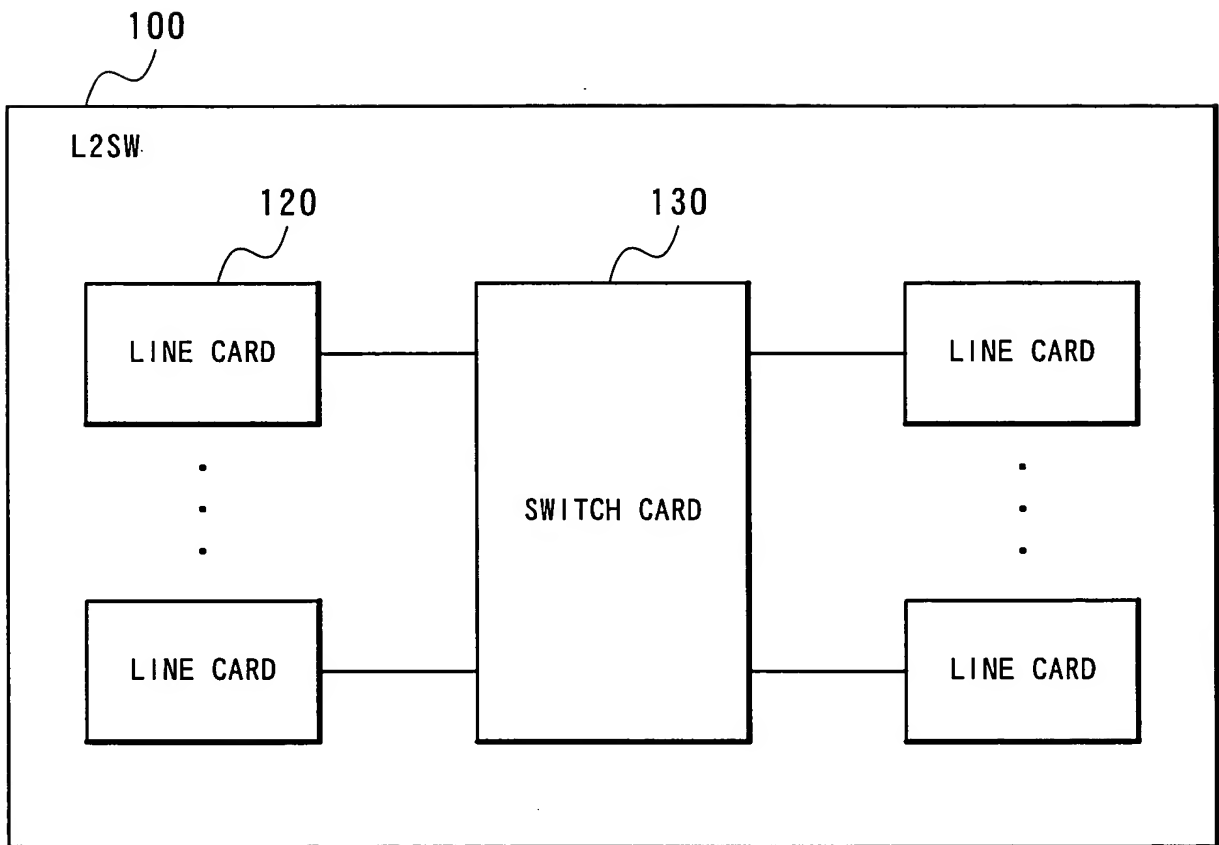


**FIG. 1**



**FIG. 2**

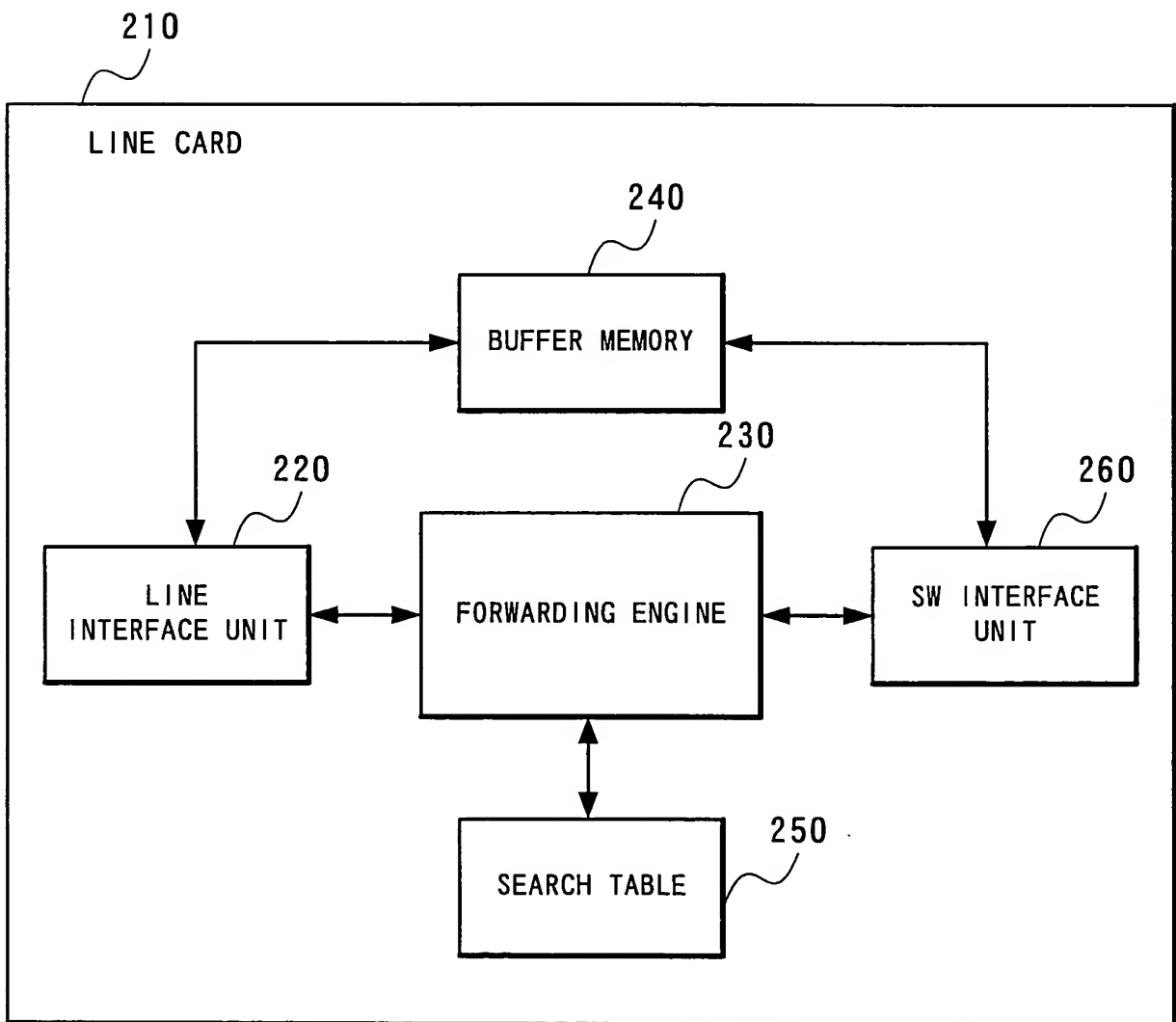
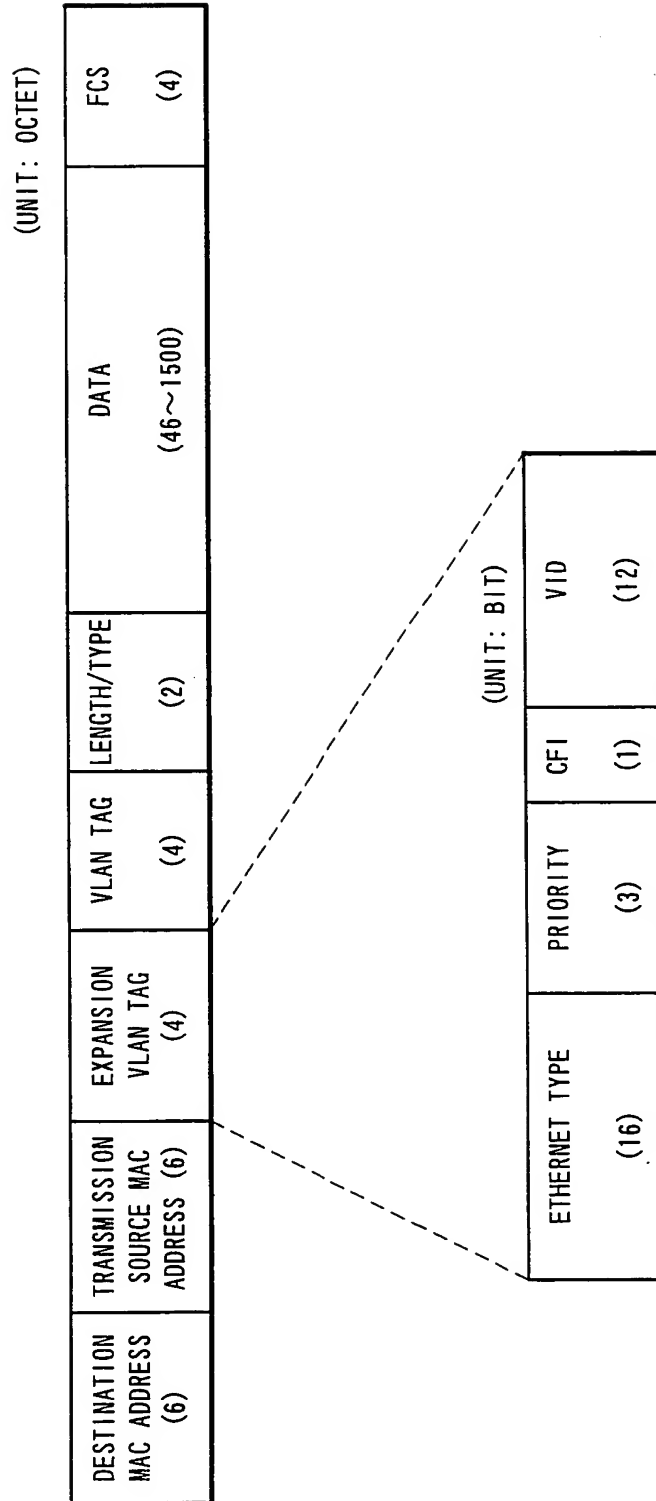
**FIG. 3**

FIG. 4



**FIG. 5**

PRIMARY TABLE

MAC ADDRESS	OUTPUT LINE CARD	OUTPUT LINE	SWAP SETTING
0x000000000001	1	1	1
0x000000000002	2	2	0
0x000000000003	3	2	1
:			
0x000000000003	3	2	1

IN BOTH OF SECONDARY TABLES A AND B, THE SAME VALUE CAN BE SET AS ETHER TYPE

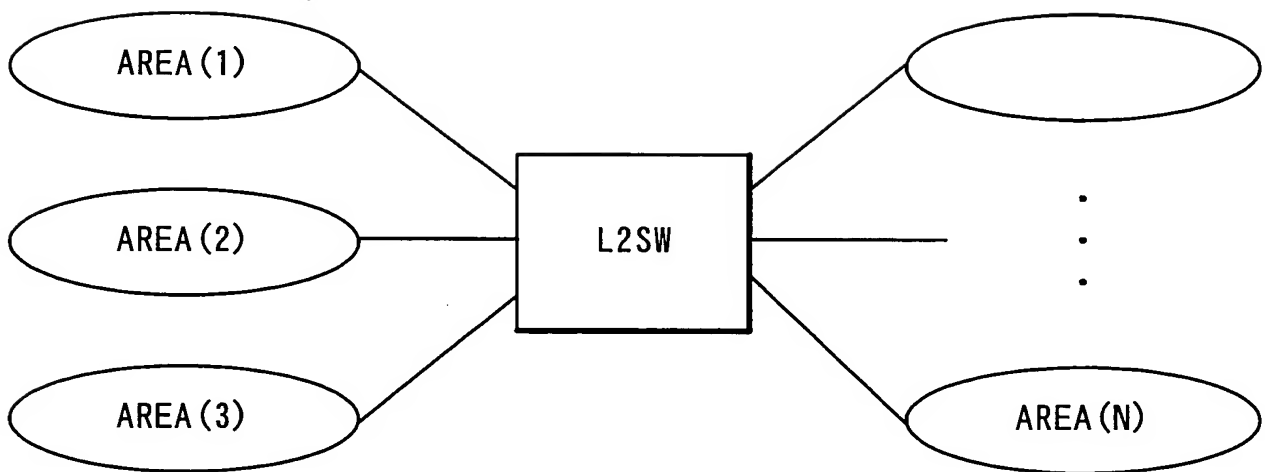
SECONDARY TABLE B  
(FOR AREA (2) RECEPTION)

ETHER TYPE	EVID	ETHER TYPE	EVID	PORT BITMAP	PORT BITMAP
0x9200	1024	0x9100	15	10101...	10101...
0x9200	1200	0x9100	15	...	...
0x9200	10	0x9100	10	...	...
:					
0x9200	15	0x9100	1024	...	...

SECONDARY TABLE A (FOR AREA (1) RECEPTION)

ETHER TYPE	EVID	ETHER TYPE	EVID	PORT BITMAP	PORT BITMAP
0x9100	1024	0x9200	15	10101...	10101...
0x9100	1200	0x9200	15	...	...
0x9100	10	0x9200	10	...	...
:					
0x9100	15	0x9200	1024	...	...

**FIG. 6**



# FIG. 7

SECONDARY TABLE A (FOR AREA (1) RECEPTION)

ETHER TYPE	EVID	PORT BITMAP	ETHER TYPE	EVID	PORT BITMAP
0x9100	10	10101...	0x9200	15	10101...
			0x9300	15	...
			0x9400	10	...
			.	.	.
			0x9999	1024	...
.					
.					
.					
0x9100	4000	10101...	0x9200	11	10101...
			0x9300	16	...
			0x9400	9	...
			.	.	.
			0x9999	1025	...

4096

AREA (1)

OTHER AREA THAN AREA (1)

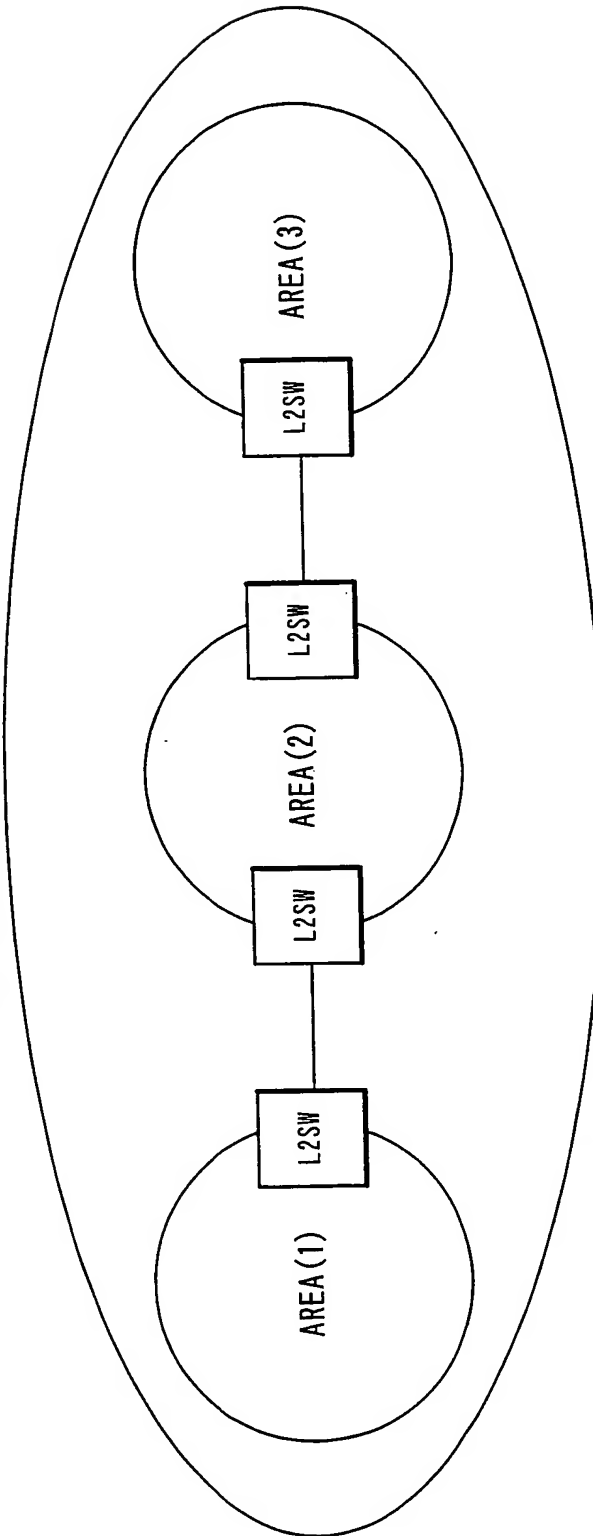
(N-1)

SECONDARY TABLE B  
(FOR RECEPTION OF OTHER AREA THAN AREA (1))

ETHER TYPE	EVID	PORT BITMAP	ETHER TYPE	EVID	PORT BITMAP
0x9200	1024	10101...	0x9100	15	10101...
0x9200	1200	...	0x9100	15	...
0x9200	10	...	0x9100	10	...
.					
0x9200	15	...	0x9100	1024	...

**FIG. 8** (PRIOR ART)

WIDE AREA ETHERNET NETWORK





**FIG. 9** (PRIOR ART)

